

FOULING MITIGATION DEVICE WITH MOVABLE SCREENABSTRACT OF THE DISCLOSURE

A self-cleaning strainer which may be installed upstream of a heat exchanger to prevent debris greater than a critical size from reaching the heat exchanger. The strainer is preferably mounted just upstream of a heat exchanger in order to minimize the possibility of debris reaching the heat exchanger. The strainer comprises a screen element which can be advanced across the flow path of the fluid between two rollers. The screen element is placed so that the fluid must flow across the screen element face to continue through the process pipe; the screen may be perpendicular or parallel to the fluid flow axis of the strainer body or at an intermediate angle to it. Flow blocking members are used so as to direct the flow to pass through the screen element.